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WATER REPELLENT TEXTILE FINISHES AND METHOD OF MAKING

ABSTRACT OF THE DISCLOSURE

A composition that is preferably an aqueous emulsion is disclosed that comprises:

- 1) a compound of a defined formula comprising a silicon moiety and an epoxy functionality;
- 2) a compound of a defined formula comprising a silicon moiety and an alkoxy functionality;
- 3) a crosslinker of a defined formula comprising a silicon moiety; and
- 4) a catalyst.

Upon treating fibers or fabrics with the composition, a condensation reaction product is formed upon reaction with the catalyst at curing temperatures that imparts superior durability, water repellency, and softness to the fibers or fabrics.